



UTStarcom

Thank you for choosing the dual digital CDMA mobile phone, model 860.

We at Utstarcom are pleased to introduce this brand new portable handset.

Our product always keeps you connected to the network.

The user manual explains in detail how the product works and its unique features.



Some of the contents of this User Manual may vary from your phone depending on the software version and the service provider you subscribe to.

Display

Bar Type, 65K CSTN Single Display External

- 28.032 mm x 35.04 mm display for 1.5" LCD
- Colour STN display
- Supports up to 65,000 colors within 128 x 128 pixels
- Seven lines for text in basic mode with 16-pixel font
- Two softkeys with 5-way navigation keys-way scroll including OK key
- Grid menu

Melody

CMX 3.1 32 Poly Sound

Camera

Integrated VGA CMOS Camera

- Resolution up to 640 x 480 (307,200 pixels)
- Phone display used as a viewfinder
- Photo album

Weight and Dimensions

- Weight: 80.5 g (2.84 oz)
- Dimensions: 105 x 45 x 18.1 mm (4.13" x 1.77" x 0.71")

Power Management (Performance)

Battery Type	Capacity	Standby Time	Talk Time
Standard (Li-ion)	1000 mAh	150 Hours	200 Minutes

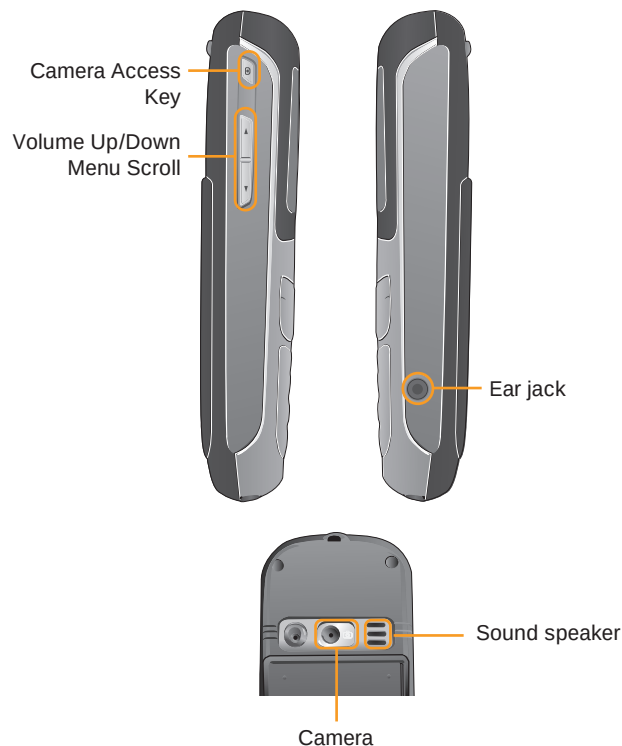
CDMA

- 800MHz: IS-95A, IS-95B, and 1xRTT

PCS

- 1900Hz : IS-95A, IS-95B, and 1xRTT





Quick & Easy

Keys	Functions
	SOFT KEYS: (Menu Key) Press to access the menu or function displayed at the bottom of the display. (Right Key) Press to access Contacts menu.
	NAVIGATION KEY: In Idle Mode: Press up to access Messaging menu, down to access All Calls, right and left – to access Assign menu. Inside the menu: Use this key to scroll through menu options.
	OK KEY In Idle Mode: Press to access the menu. Inside the menu: Press to make your selection. In Camera Mode, press to Take Picture as Camera Key.
	DO MORE KEY From the Standby mode, press for quick access to the DO MORE menu.
	BACK KEY While viewing menus, press this key to go back to the previous menu. While entering characters from the keypad, press once to clear one character at a time. Press and hold to clear all characters.
	SEND KEY Press to make or receive a call. Press and hold to turn on the VR mode.

Keys	Functions
	Press and hold to turn the phone on or off. During a call, press to end the call. While viewing any screen, press this key to return to the Standby mode.
	Use to enter characters or numbers and access different menu options.
	When entering text, press to shift between upper and lower case. While in the Standby mode, press and hold to quickly activate or de-activate Etiquette mode.
	When entering text, use this key to insert spaces between characters.
	In Edit Screen: Press to view the next matching word if the highlighted word is not matched.
	In the Standby mode, use for quick access to the camera menu and taking pictures. In addition, press and hold to directly go to the Take Picture mode, skipping the Camera menu.
	Adjusts earpiece volume during a call and moves the cursor upward in the menu. Controls the volume of Voice Calls in the Standby mode and moves the cursor upward in the menu.

Keys	Functions
	Adjusts earpiece volume during a call and moves the cursor downward in the menu. Controls the volume of Voice Calls in the Standby mode and moves the cursor downward in the menu.

Using a phone while driving is prohibited.

With regards to the prohibition of phone usage while driving, please consult applicable laws or regulations.

- Talking on the phone while driving may disturb your concentration and consequently incur accidents.
Turn the phone off as soon as possible.
- Use the hands-free operation or ear-microphone if you must use the phone or pull over in advance.
- The electromagnetic wave energy emitting from your phone may affect electronic devices built in your car.

Restriction Area of Mobile Phone Use

Verify that your phone is off in the area where the use of mobile phone is restricted.

Using a phone in the explosives or dangerous area is not allowed. Please turn your phone off in the area with explosive or dangerous materials such as gas, chemical goods and at gas stations) and abide by any instruction or signal.

Never try to detach your cellular battery from the phone in such areas, either.

Boarding Airplane

- Please turn your phone off when boarding an aircraft.
Leaving your mobile phone on may cause electronic navigation device in airplane to work improperly.

Using Medical Equipment

- Turn your phone off while in the hospital.
- Abide by the rules and regulations of the hospital.
- If possible, turn your phone off when using medical equipment for private purposes. You should consult with the manufacturer or an expert in advance.

Installing a Vehicle Hands Free

- Please keep a vehicle hands free off the driving radius, air bag expansion range, or any other area where it may cause injury.

Effect of Cellular and Electronic Device

- Some electronic devices may be affected by the electromagnetic wave emitting from the phone in service.

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GETTING STARTED

1. Package Contents
2. Views of UTSTARCOM 860
3. Internal & External Displays
4. Using the Battery

Package Contents

The package should include all items pictured below. If any of the items are missing or different, immediately contact the retailer where you purchased the phone.



Phone



Battery



Travel Charger

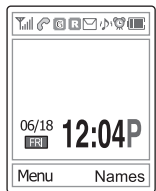


Manual

LCD Displays

This phone has LCD display and icons at the top of the LCD display to show the phone specifics.

LCD Display



Icons Area

Text and Graphic Area

Display in Standby Screen with Information

- Indicators
- Banner
- Date&Time
- Softkey Indications

Icon(s)	Description
	Signal Strength Current signal strength-the more lines, the stronger the signal.
	In Use Indicates a call is in progress.
	No Service Indicates the phone cannot receive a signal.
	TTY icon TTY status display when a TTY headset is set.

Icon(s)	Description
	WEB Indicates WEB browser is in progress.
	New Message Indicates you have a text, numeric page, multimedia message, or web alert message waiting. New Text/Multimedia message (), New Voice message (), and Web alert message () display
	Roaming Indicates the phone is roaming.
	Battery Battery charging level - the more blocks, the stronger the charge.
	Ring mode Shows current ring volume setting status.
	Vibrate mode Phone vibrates for all generated events as well as calls.
	Alarm Alarm icon is displayed only when Alarm is enabled.
	1X Phone is in the 1x service area.

Display Off Mode.

To save power, if you do not press any key within a minute after the display turns off, the internal display goes into the Off Mode.

Press any key to restore the display from the Off Mode.

Selecting Functions and Options.

The phone has several customization functions that are arranged in menus and sub-menus.

You can access these functions by using three Softkeys ([], [] and [] key).

Each menu or sub-menu allows you to view and change the settings of the particular function.

Soft key function varies depending on the current context; labels or icons at the bottom of the display indicate the current function.

To view various functions/options available or to select one:

- 1 Press the appropriate Softkey.
- 2 To select function displayed or option highlighted, press the [] [Select] Softkey or [] Softkey.
- 3 To highlight the next option on a list, press the Up key or Down key.
- 4 To move back to the previous function or option on a list, press the [] key.
- 5 To return to Standby mode, press the [] key.

Side Key Functions.



Side Up

- Adjusts the earpiece volume and moves the cursor up the menu during a call.
- Mutes the ring tone if pressed at an incoming call.
- Adjusts Voice Call ring volume and allows Menu scrolling in the Standby mode.
- Adjusts earpiece volume and allows Menu scrolling during a call.
- Increases volume while playing sound in the Ringer list.



Side Down

- Adjusts the earpiece volume and moves the cursor down the menu during a call.
- Mutes the ring tone if pressed at an incoming call.
- Adjusts Voice Call ring volume and allows Menu scrolling in the Standby mode.
- Adjusts earpiece volume and allows Menu scrolling during a call.
- Decreases volume while playing sound in the Ringer list.



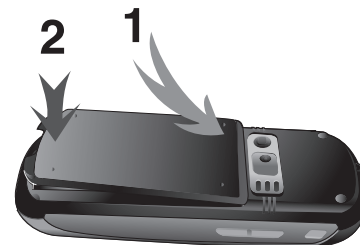
Camer key

- From Standby Mode, use for quick access to the 'Camera' menu and taking pictures.
- In addition, press and hold to directly go to the Take Picture mode, skipping the Camera menu.

Installing the Battery

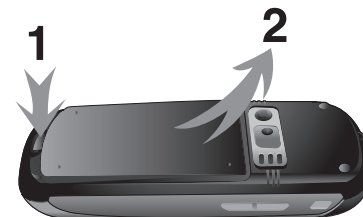
Put the metal locators of the battery into the hole located at the bottom of the unit, as shown in the figure below.

Press the upper side of the battery until you hear the "click" sound.



Removing the Battery

While holding the button, push the battery up and remove it.



Charging the Battery

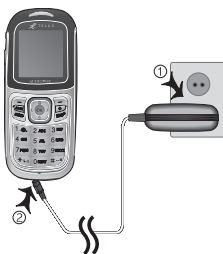
This phone uses the Li-ion battery.

You must use only the authorized battery and charger.

For more details, please inquire at your nearest dealer.

You can use the phone during battery recharging.

An adaptor is provided with the phone.



When recharging is completed, detach the adaptor connection from the outlet.

Tip

Your phone is powered by a Lithium Ion (Li-ion) battery.

You can use the following Li-ion battery types for your phone.
(Contact your local dealer for more information.)

- Standard-type battery.
- Slim-type battery.

Precautions while Using the Battery

- Do not use a damaged battery or charger.
- Use the battery for the specified purpose only.
- The closer you are to the base station, the longer the phone usage time will be due to low battery consumption.
- Battery charging time depends on the remained battery capacity as well as the battery and charger type in use.
- Battery life shortens with time.
- Use only the authorized battery and charger.
- Since overcharging may shorten battery life, remove the battery from its charger once it is fully charged. Unplug the charger once charging is complete. Leaving the battery in hot or cold places, especially inside a car in summer or winter, may reduce the capacity and life of the battery. Always keep the battery under normal temperatures.
- Do not ground the battery. Grounding may occur when the battery is in contact with a conductive object. A grounded phone may also damage the battery.
- Dispose and recycle used batteries in accordance with local regulations.

Using the battery

- Do not dispose of the batteries in a fire.
- Do not use an unauthorized charger.
- In order to prevent injury or burns, ensure that a metal object does not come into contact with the + and – terminals of the battery.

BASIC FUNCTIONS

1. Switching the Phone On or Off
2. Making a Call
3. Answering a Call
4. Options in Calling
5. Using the Earpiece
6. Selecting the Menu Function
7. Entering the Text

Switching the Phone On

- 1 Press and hold the [] key until the phone switches on.

Your phone starts to search for the available network, and the current date and time appear on the LCD display. Once connected to the network, you can send or receive calls.

If the malfunction occurs while using the phone or it is not turned on, remove the battery and install it again after 5 or 10 seconds.

Switching the Phone Off

To switch the phone off, press and hold the [] key until the power-off animation displays.

Making a Call

Enter the area code and the phone number to make a call in the Standby mode, then press the [] key.

NOTE:

Attempts to make a call by adding '1' before the number entered if Auto Prepend is On. (If the number entered begins with 1, it will not add '1' to it.)

To clear the last digit displayed, press the [] key.

To clear all digits displayed, press and hold the [] key.

Ending a Call

To finish your call, press the [] key.

Once the call is completed, the call summary (Receiver Name or Number, Service Time) will be displayed.

Using Call Logs

The phone stores up to 40 dialed, received or missed calls reverse chronologically. The last call is saved in the first position. If the same number is dialed more than once, only the last occurrence will be saved.

- 1 Press the down Navigation Key to see the call log of dialed, received or missed numbers in reverse chronological order.
- 2 Press the []/[] key to select a number.

- 3 Press the [] key for dialing.

Tip

Press the [] key to redial the last number in the call log.

Speed Dialing

Calls can be placed to numbers stored in the speed dial by pressing and holding the last digit of the speed dial number on the keypad.

- 1 Press [] under 'Menu' then press [] for 'Contacts' and [] for 'Speed Dials'.
- 2 To assign a phone number to a location, select the location then press [].
- 3 The contact list will be displayed alphabetically.
Select a name then press [].
To call the number, press [].

Voice Dialing

To dial a name using voice signal:

- 1 Press [] under 'Menu', then press [] for 'Settings', press [] for 'Initial Setup' and [] for 'Voice Dial'.

See Voice Dial Setting for more details.

Answering a Call

When you receive a call, the phone rings (or vibrates), and the screen will display the name or the number of the caller (if this feature is included in your service plan).

If the caller can be identified, the caller's phone number or name will be displayed if it is stored in your Contacts.

1 To answer a call, press the [] key.

If the answer type is set to [AnyKey Answer], you can answer a call by pressing any key except End key, Volume Key, Back Key.

Viewing Missed Calls

If the incoming call could not be answered for any reason, a missed call message will appear on the screen to inform you of the call you have missed (if this feature is included in your service plan and is available in your area).

To reply to the missed call:

1 Press the [] Soft key to display a list of All Calls.

2 Use [] to select a Missed call then press [] to view it.

3 If necessary, scroll to the number you want by pressing the []/[] key.

4 Press the [] key to return the missed call.

Adjusting the Volume During a Call

If you wish to adjust the earpiece volume during a call, use the volume keys on the left side of the phone.

Press the [] key to increase the volume level and the [] key to decrease it.

Dialing TELUS Client Care

Simply dial 611 then press [].

Three-Way calling

This service is optional. Please contact TELUS Mobility client care at 611 if you wish to subscribe to this service.

- 1** Dial the first number you wish to call then press [] to place the call.
- 2** Wait for the call to connect then press [] to place the call on hold.
- 3** Enter the second number then press [] to connect.
- 4** When the second party answers, press [] to begin the three-way conversation.

Emergency and Client Dialing

Emergency numbers (911) and TELUS Mobility client care (611) can be called at all times, even when your phone is locked.

You can place the call to 911 and 611 by dialing the number and pressing [].

Dialing Directory Assistance

Dial 411 then press [] to access directory assistance.

Using the Earpiece

You can send or receive calls without touching the phone by using the ear-microphone.

When you connect the ear-microphone to the jack located on the right side of the phone, the button on the ear-microphone works as described below;

To show the recent calls, press the button in the Standby mode.

To redial the last call, press the button twice in the Standby mode.

To answer a call, press the button when you receive a call.

To complete a call, press and hold the button when you have finished a call.

To turn on the VR mode, press and hold the button in the Standby mode if the Set Active of Voice Dial is set as Send key.

Selecting the Menu Function

Entering the Menu Function

Key	Function
	Goes to the main menu in the standby mode.
	Goes to the Contacts menu.
[], [] key	Moves among the main menus.
[], [] key	Searches for the sub-menu.
[] key	Goes to the Sub-menu

Input Mode

On many occasions you need to enter text while using the mobile phone, (i.e., storing a name in the Contacts, writing a new message, creating greeting or scheduling events on your calendar).

The following text input modes are available:

T9 mode

You can enter a letter with only one keystroke. The keypad has more than one letter on it – when you press the [5 ABC] key once, J, K, L or 5 may be displayed.

The T9 mode automatically compares your keystrokes with an internal linguistic dictionary to determine the correct word, thus requiring fewer keystrokes than the conventional multi-tap mode.

Abc mode

In this mode, you can enter the letter you want by pressing the keypad once, twice, three or four times until the target letter appears.

Numeric mode

Use this mode to enter numbers.

Symbol mode

Use this mode to enter special characters like Greek letters, currency units, or a period mark.

Emoticon mode

Use this mode to enter the emoticons.

www mode

Use this mode to enter prefixes and suffixes of network addresses (www).

Inserting a Space

To insert a space between words, press the [] key.

Clearing Letters and Words

To clear the letter to the left of the cursor, press the [] key.

You can clear all letters on the display by pressing and holding the [] key.

Returning to the Previous Screen

When the text input field is empty, press the [] key to return to the previous screen.

Using the T9 Mode

In the T9 alphabet editor, the word is composed completely as you enter the text.

- 1 Press the keys numbered [] to [] to enter text.
For example, press [] [] [] [] [] in sequence to enter 'hello'.
The word you are typing appears on the display. It may change with each key you press.
- 2 If you cannot find a word, press the [] key to search.

NOTE:

If several words are available in the same input order, the most frequently used word will be displayed. Pressing '0' will show you the next words.

3 Continue entering the next word.

Using the Abc Mode

[English]

KEY	Characters in the displaying order
	. , - ? ! ' @ : 1
	a b c 2
	d e f 3
	g h i 4
	j k l 5
	m n o 6
	p q r s 7
	t u v 8
	w x y z 9
	0

Using the Number Mode

The Number mode enables you to insert numbers in the text.
Press the key corresponding to the digit you want to enter.

Using the Symbol Mode

The Symbolic mode enables you to insert symbols in your text.
To display more symbols, press the []/[] key.

Using the Emoticon Mode

The emoticon mode enables you to insert emoticons in your text.
To display more emoticons, press the []/[] key.

Using the WWW Mode

The www mode enables you to insert prefixes and suffixes of network addresses in your text.

Memo



APPLICATIONS

- 1. Contacts
- 2. Call History
- 3. Messaging
- 4. Do more
- 5. Settings
- 6. Camera

Stores up to 300 entries.
Entries can be retrieved by name, phone number or speed dial number.

List Entries

Retrieves an entry by name or number and dials the number when [] is pressed. From the Standby screen, you may press [] as well. If there is no data in the phone book, you will see the "Contacts Empty" message. Then the display will show the "Add New Entry?" screen.

Names

To review all phone book entries or quickly find an entry by entering a name:

- 1** Press 'Menu>1.Contacts>1.List Entries'.
- 2** The list of names in your phone book is displayed alphabetically. Use the Navigation Key to select the name.
- 3** Enter a name or its character string or scroll through the list with the Navigation Key. Please refer to page 46 for instructions on entering letters, numbers and symbols.
- 4** Matching entries will be displayed. Highlight an entry.
To edit an entry, press [OK]. Press [OPTIONS] to 1.Add New, 2.Call, 3.Edit 4.Send Message, 5. Dial 1+ Number, 6.Set Speed Dial, 7.Set/Release Secret, 8.Erase

NOTE:

If the entry is set to secret, you will be asked for your password.

- 5** To call the selected number, press  or press  [OPTIONS] then select "Call".

Numbers

To review all phone book entries or quickly find an entry by entering a part of the phone number:

- 1** Press 'Menu>1.Contacts>1.List Entries'.
- 2** Press [] or [] to select numbers.
- 3** The list of phone numbers saved in your phone book will be displayed in numeric order.
- 4** Enter a part of the phone number or scroll through the list with the Navigation Key.
- 5** Matching entries will be displayed. Highlight an entry.
To edit an entry, press [OK]. Press [OPTIONS] to 1.Add New, 2.Call, 3.Edit 4.Send Message, 5. Dial 1+ Number, 6.Set Speed Dial, 7.Set/Release Secret, 8.Erase

NOTE:

If the entry is set to secret, you will be asked for your password.

- 6** To call the selected number, press  or  [OPTIONS] and select "Call".

New Entry

Adds a new entry to the phone book.

- 1** To add a new entry to the phone book, press 'Menu>1.Contacts>2.New Entry'.
- 2** The first highlighted field is Name.
Enter the name of the entry, then press [] or [].

Tip

PHONE BOOK FIELDS: Name/Mobile/Home/Office/Other/Page/
Fax/Short Code/E-Mail/Ringtone/Picture/URL Address

- 3** Press the Navigation Key down to enter other information (phone number, etc.).
- 4** When all information is entered, press [] to save the entry.

Groups

This function allows you to manage groups in order to send group messages. If no groups are saved, the "GroupsEmpty" message is displayed. The "Add New Group?" screen will appear.

Add New Groups

- 1** Press 'Menu>1.Contacts>3.Groups'.

- 2** Press [OPTIONS], then select "Add New".
- 3** Enter a new group name.
- 4** To save, press [Save].
- 5** Press [OPTIONS], then select "From Contacts" or "Edit".

From Contacts: Choose an entry from contact list.
Edit: Edit an address.

Send Message

You can send messages to all of addresses of the group.

- 1** Press 'Menu>1.Contacts>3.Groups'.
Select an existing group name.
- 2** Press [OPTIONS], then select "Send Message".

Refer to Text/Multimedia (page 71) for more details.

Change Group Name

- 1** Press 'Menu>1.Contacts>3.Groups'.
Select an existing group name.
- 2** Press [OPTIONS], then select "Rename".
- 3** Enter a new group name.
- 4** To save, press [Save].

Erase Group

1 Press 'Menu>1.Contacts>3.Groups'.
Select an existing group name.

2 Press [OPTIONS], then select "Erase" or "Erase All".

Erase: Erase a group.
Erase All: Erase all groups.

3 Select "Yes" or "No".

4 Press [Select] again to confirm.

Speed Dial Number

Calls can be placed to numbers stored in the speed dial by pressing and holding the last digit of the speed dial number on the keypad.

1 Press 'Menu>1.Contacts>4.Speed Dials'.

2 To assign a phone number to a location, select the location and press [Assign].

NOTE:

If a phone number is already assigned to the location, press [Remove] and [OK] to delete.

3 The phone book list will be displayed alphabetically.
Select a name then press [Select].

Contact Status

Displays the used and free memory available for a particular contact.

1 Press 'Menu>1.Contacts>5.Contact Status'.

About VoiceSignal

VoiceSignal™ is a state-of-the-art voice recognition software for your mobile phone that lets you dial numbers, look up contact information, and open applications using your voice only. VoiceSignal includes voice activation of the following functions:

- **Voice Dial:** Lets you make a call by saying any name stored in your contact list without ever having to record or “train” that name. VoiceSignal automatically voice-activates all your contacts, even if there are hundreds of them stored on your phone. You can also call any telephone number that is not stored in your contact list by saying the number.
- **Voice Memo:** Accesses the voice memo feature of your phone.
- **Name Lookup:** Displays contact information for any name stored in your contact list after you say the name.
- **Mobile Web:** Accesses the mobile web feature of your phone.
- **Message Center:** Accesses the feature for composing the Text/Multimedia message.

Voice-Activating Your Contact List

When you first start VoiceSignal, it reads your list of contacts and voice-activates all names. If you have added or changed contacts, VoiceSignal automatically reloads the entire list of names.

Starting VoiceSignal

By default, you can start the Voice Signal Application by pressing and holding the Send Key. You can also start the Voice Signal application by pressing and holding the button on the Ear-microphone.

To Change How You Start VoiceSignal:

- 1 Press and hold  .
- 2 Use the arrow keys to select how you want to start VoiceSignal.

- When you start VoiceSignal, it displays the main menu of voice commands and prompts you to “Say a command”.
- Speak clearly and say the command that you want to use. If, after a few seconds, the device has not recognized a command, it prompts you to repeat the command. If, after a few more seconds, it still has not recognized a command, it tells you “Sorry, no match found” and cancels voice recognition.
- Tips for saying voice commands:
 - Wait for the beep before speaking.
 - Speak clearly at a normal volume, as if you were talking on the phone.
 - When saying a name, say the first name followed by the last name.

Ending Calls Before Restarting The VoiceSignal Software

When you use VoiceSignal to make a call, you must end the call before using the VoiceSignal application again.

Using Voice Dial

Use the VOICE DIAL command to dial any number stored in your contact list by saying the name of the contact (Name Dialing).

You can also use VOICE DIAL to dial any valid telephone number, even numbers not stored in your contact list, by saying the digits (Digit Dialing).

Dialing a Name

To Dial a Name Using Voice Dial:

- 1** Start VOICESIGNAL.
- 2** Say "VOICE DIAL".
VoiceSignal prompts you to "Say the name or number."
- 3** Speak clearly and say the name of a person in your contact list, first name followed by last name.
For example, say "Phil Johnson."

If VoiceSignal recognizes the name and there is a number stored with that name, VoiceSignal repeats the name and dials the number.

If VoiceSignal is not sure of the name you said, it displays a choice list of up to three names and prompts you with "Did you say?" followed by the first name on the list.

- 4** Say “YES” to confirm the name or “NO” to hear the next name, or use the keypad to select the correct name from the list. (See the section “Using Choice Lists” for more information.) You can also say “CANCEL” to exit the application without dialing, or “REPEAT” to say the name again.

If the recognized name has multiple numbers stored for it (e.g., Home, Office, Mobile, etc.), VoiceSignal displays the possible choices and prompts you with “Which number?”

- 5** Indicate which number to call by saying one of the choices.

For example, say “MOBILE.”

VoiceSignal repeats what you said and then dials the number.

Dialing a Number

To Dial a Number Using Voice Dial:

- 1** Start VOICESIGNAL.

- 2** Say “VOICE DIAL”.

VoiceSignal prompts you to “Say the name or number.”

- 3** Speak clearly and say a valid telephone number.
For example, say “781 9705200.”

If VoiceSignal recognizes the number, it repeats the number and dials it.

If VoiceSignal is not sure it has recognized the number, it displays a choice list of numbers and prompts you with “Did you say?” followed by the first number on the list.

- 4** Say “YES” to confirm the number or “NO” to hear the next one, or use the keypad to select the correct number from the list. (See the section “Using Choice Lists” for more information.)
You can also say “CANCEL” to exit the application without dialing, or “REPEAT” to say the name again.

Selecting Your Location For Digit Dialing

You can usually improve the accuracy of digit dialing by specifying your current geographical location (for example, "North America").

The phone will recognize only numbers that are valid in the specified location.

To Select Your Location:

- 1** Start VOICESIGNAL.
- 2** Press SETTINGS, and then select DIGIT DIALING
➔ SELECT LOCATION.
- 3** Choose a location from the list.

You can also select "Automatic" if you want VoiceSignal to choose a location based on the language setting of the phone. Select "Other" if your present location is not listed, or if you want digit dialing to recognize any number sequence.

Adapting Digits

If you regularly have trouble getting VoiceSignal to recognize numbers, try adapting digit dialing to your voice. Adapting can improve the accuracy of digit recognition, especially for people with strong regional accents. Adaptation involves recording several sequences of four digits each. The recording process takes about a minute.

- Tips for adapting digit dialing:
 - Adapt digits in a quiet place.
 - Wait for the beep before starting to speak.
 - Speak clearly, and say each digit distinctly.
 - If you make a mistake while recording a sequence of digits, or if there is an unexpected noise that affects the recording, re-record that sequence.
 - Adapt digits only if you are regularly having problems with digit dialing. Once you adapt, digit dialing will not work as well for other people using your phone. (You can always reset digit adaptation to its original state, as described below.)

To Adapt Digit Dialing:

- 1** Start VOICESIGNAL.
- 2** Press SETTINGS then select DIGIT DIALING
➔ ADAPT DIGITS.

To Reset Digit Adaptation:

- 1** Start VOICESIGNAL.
- 2** Press SETTINGS then select DIGIT DIALING
➔ RESET DIGITS.

Using Name LookUp

Use the NAME LOOKUP command to retrieve contact information for any name stored in your contact list by saying the name. Name Lookup displays contact information on the screen but does not dial any phone numbers for the contact.

To Use Name LookUp:

- 1** Start VOICESIGNAL.
- 2** Say "NAME LOOKUP."
VoiceSignal prompts you to "Say the name."
- 3** Speak clearly and say the name of a person in your contact list, first name followed by last name.
For example, say "John Smith."

If VoiceSignal recognizes the name, it displays the contact information stored for that name. If it is not sure of the name, VoiceSignal displays a choice list of up to three names and prompts you with "Did you say?" followed by the first name on the list.

- 4** Say "YES" to confirm the name or "NO" to hear the next name, or use the keypad to select the correct name from the list. (See the section, "Using Choice Lists" for more information.) You can also say "CANCEL" to exit the application, or "REPEAT" to say the name again. VoiceSignal displays the contact information stored for the name you selected.

Using Choice Lists

VoiceSignal uses choice lists when it is not confident it has correctly recognized a name or number. If this occurs it displays a list of up to three possible choices and prompts you to confirm the correct one.

You can change the way VoiceSignal uses choice lists with name dialing, digit dialing, and name lookup. For each feature, you can choose to always see a choice list (even if there is only one choice), or never see a choice list (even if there are multiple choices). If you leave the setting at "Automatic," VoiceSignal displays a choice list only when it is not confident it has correctly recognized the name or number.

To Change The Way VoiceSignal Uses Choice Lists:

- 1** Start VOICESIGNAL.
- 2** Press SETTINGS then select CHOICE LISTS.
- 3** Select "NAME DIALING", "DIGIT DIALING", or "NAME LOOKUP."
- 4** Click the radio button for the choice list behaviour you want:

- Automatic: VoiceSignal displays a choice list only when not sure it has recognized the name or number correctly.
- Always On: VoiceSignal always displays a choice list, even if there is only one choice.
- Always Off: VoiceSignal never displays a choice list.

- 5** Press OK to accept the new setting.

All Calls

Displays information about the 40 most recently dialed, missed, and received calls. Call a number by pressing [].

1 Press 'Menu>2.Call History>1.All Calls'.

If the number is already stored in your phone book, only the name appears. If the number is not stored, only the phone number appears.

2 To view call details, press [OK].

NOTE:

- Call details include date, time, and phone number.
- If a phone number is saved to your phone book and is set to secret, the number is not displayed.

3 To save the number to your phone book, press [Options] then select [Save Number].

To change a phone book entry, select [Edit Entry].

Or, select [Erase] to delete it.

- Call: Make a call.
- Save Number: Save the number in your phone book.
- Edit Entry: Change an entry in your phone book.
- Dial 1+Number: Make a call with a leading 1 if the number does not begin with 1.
- Send Message: Send a message to the number.
- Erase: Erase the current entry in this list.
- Erase all: Erase all recent calls list.

NOTE:

After the 40th dialed, received or missed call, the oldest call will automatically be erased from the history.

Dialed Calls

Displays information about the 40 most recently dialed calls. Call a number by pressing [].

1 Press 'Menu>2.Call History>2.Dialed Calls'.

If the number is already stored in your phone book, only the name will appear. If the number is not stored, only the phone number will appear.

2 To view dialed call details, press [OK].

NOTE:

- Call details include date, time, and phone number.

3 To save the number to your phone book, press [Options] then select [Save Number].

To change a phone book entry, select [Edit Entry].

Or, select [Erase] to delete it.

- Call: Make a call.
- Save Number: Save the number in your phone book.
- Edit Entry: Change an entry in your phone book.
- Dial 1+Number: Make a call with a leading 1 if the number does not begin with 1.
- Send Message: Send a message to the number.
- Erase: Erase the current entry in this list.
- Erase all: Erase all dialed calls list.

NOTE:

After the 40th dialed, received or missed call, the oldest call will automatically be erased from the history.

Received Calls

Displays information about the 40 most recently received calls. Call a number by pressing [].

1 Press 'Menu>2.Call History>3.Received'.

If the number is already stored in your phone book, only the name will appear. If the number is not stored, only the phone number will appear.

2 To view incoming call details, press [OK].

NOTE:

- Call details include date, time, and phone number.

3 To save the number to your phone book, press [Options] then select [Save Number].

To change a phone book entry, select [Edit Entry].

Or, select [Erase] to delete it.

- Call: Make a call.
- Save Number: Save the number in your phone book.
- Edit Entry: Change an entry in your phone book.
- Dial 1+Number: Make a call with a leading 1 if the number does not begin with 1.
- Send Message: Send a message to the number.
- Erase: Erase the current entry in this list.
- Erase all: Erase all received calls list.

NOTE:

After the 40th dialed, received or missed call, the oldest call will automatically be erased from the history.

Missed Calls

Displays information about the 40 most recently missed calls. Call a number by pressing [].

1 Press 'Menu>2.Call History>4.Missed'.

If the number is already stored in your phone book, only the name will appear. If the number is not stored, only the phone number will appear.

2 To view missed call details, press [OK].

NOTE:

- Call details include date, time, and phone number.

3 To save the number to your phone book, press [Options] then select [Save Number].

To change a phone book entry, select [Edit Entry].

Or, select [Erase] to delete it.

- Call: Make a call.
- Save Number: Save the number in your phone book.
- Edit Entry: Change an entry in your phone book.
- Dial 1+Number: Make a call with a leading 1 if the number does not begin with 1.
- Send Message: Send a message to the number.
- Erase: Erase the current entry in this list.
- Erase all: Erase all missed calls list.

NOTE:

After the 40th dialed, received or missed call, the oldest call will automatically be erased from the history.

Erase History

All Calls

- 1 Press 'Menu>2.Call History>5.Erase History>1.All Calls'.
- 2 Read the message (Erase All calls?) then press [OK] to erase.

Dialed Calls

- 1 Press 'Menu>2.Call History>5.Erase History>2.Dialed Calls'.
- 2 Read the message (Erase All Dialed Calls?) then press [OK] to erase.

Received Calls

- 1 Press 'Menu>2.Call History>5.Erase History>3.Received Calls'.
- 2 Read the message (Erase All Received Calls?) then press [OK] to erase.

Missed Calls

- 1 Press 'Menu>2.Call History>5.Erase History> 4.Missed Calls'.
- 2 Read the message (Erase All Missed Calls?) then press [OK] to erase.

Timers

Verifies the talk time and manages your calls within the limit you set.

Last Call

Displays talk time of last call.

- 1 Press 'Menu>2.Call History>6.Timers>1.Last Call'.
- 2 To reset the timer, press  [RESET].
To return to the previous page, press [].

Lifetime

Displays talk time of all incoming and outgoing calls, excluding web access calls.

- 1 Press 'Menu>2.Call History>6.Timers>2.Lifetime'.
- 2 To return to the previous page, press [].

NOTE:

You cannot reset this timer.

New Text Message

Displays the content, date and time information of a received message.

Multimedia Message

1 When a new message arrives, the following display will appear:

- Reject: Delete Pix Message.
- Read: Download Pix Message and display it.
- Defer: Without downloading it, save the basic information in the Inbox.

Voice Mail

Displays the number of voicemail messages and callback phone number in the Voicemail server.

Pressing the  key will dial the number if you have a callback number, or connect to Voicemail if you do not.

1 To access voice mail, press 'Menu>3.Messaging>1.Voicemail>1.Call Voicemail', '' >1.Voicemail>1.Call Voicemail' or press and hold .

2 Dial own number then press , enter your password, then press .

3 To listen to new messages, press .

Text / Multimedia

Sending a Message

To send a new message:

- 1** Press 'Menu>3.Messaging>2.Text/Multimedia>1.Send New' or '' >2.Text/Multimedia>1.Send New'.
- 2** Under "Message", enter a new text message then press  [OK].
(Refer to page 44 for more details on entering letters, numbers, and symbols.)

- By pressing [T9Word] user can choose from the following:
1.Abc/2.123/3.Symbol/4.Emoticon/5.WWW/
6.Quick-Text

- 3** Under "Sound," press .
Select "Sound Clips", "Voice Memo", "Recording" and press .
- 4** Under "Picture," press .
Select "Image Clips", "Picture Album", "Take Picture" and press .
- 5** Press "OPTIONS" and compose options will be displayed.

- 1. Add slide/2. Remove slide/3. Slide timer/4. Preview/
5. Save as

6 Press [Next].

1. When a message contains less than 147 characters and no sound or picture, it is regarded as a text message:
For a text message, press [Next] before sending it.
2. If there is no sound or picture, pressing “next” allows you to enter the phone number of the other party and send a message. In this case, selecting [option] allows you to use the following items:
Contact/Groups/Call History/Settings
3. You can use any number when browsing Contacts, Groups, and Call History.
In Setting, you can put modification to callback number and priority; store your message in draft folder, destination address in phone book.
4. For a multimedia message, proceed to steps 7.

7 Enter Subject, To, Cc, and Bcc.

NOTE:

When entering To/Cc/Bcc at the selected condition, pressing [option] allows you to use the following item:
Phone Number/Email/Contact/Groups/Recent list

8 Set other options, such as “Priority”, “Delivery Report” and “Read Reply”.

9 To send the message press [send].

Inbox

The Inbox manages received text or multimedia messages.

1 Press 'Menu>3.Messaging>2.Text/Multimedia>2.Inbox' or '>2.Text/Multimedia>2.Inbox'.

2 Select a message then press [OK].

The text or multimedia message is displayed.

* Multimedia Message

Inbox Options Menu:

1. Reply: Reply to the sender
2. Reply All: Reply to the sender and all
3. Forward: Forward the message
4. Detail: Show detail information.
(subject, date, time, priority, size, from, to, cc)
5. Move to saved: Move the message to Saved folder.
6. Erase: Erase the current message
7. Erase All: Erase all messages

* Text Message

Options Menu:

1. Call: Call to a number on the message
2. Reply: Reply to the sender
3. Reply with Copy: Reply to the sender with the received message
4. Forward: Forward the message
5. Move to Saved: Save to the “Saved” folder
6. Erase: Erase the message
7. Erase All: Erase all messages in Inbox

Outbox

Manages sent picture messages or messages waiting to be sent.

1 Press 'Menu> 3.Messaging>2.Text/Multimedia>3.Outbox'
or '>2.Text/Multimedia>3.Outbox'.

2 To display the message, press  [MMS- RESEND, SMS-VIEW].

* Multimedia Message

Outbox Options menu:

1. Resend: Re-send the message
2. Detail: Show detail information.
(subject, date, time, priority, size, from, to, cc)
3. Move to Saved: Move the message to Saved folder
4. Erase: Erase the current message
5. Erase All: Erase all messages

* Text Message

Outbox Options menu:

1. Detail: When the message failed to be sent, reasons for the failure are shown.
2. Call: Call to a number on a message
3. Forward: Forward the message
4. Resend: Re-send the message
5. Compose New: Compose a new message
6. Move to Saved: Save the message to the Saved folder
7. Save to Contact: Save the address to the Contacts
8. Erase: Erase the message
9. Erase All: Erase all messages in Outbox

Draft

Drafts Folder contains all draft messages or saved messages.

If message composition is interrupted by a voice call or other event, the text of the current composition is automatically saved in the drafts folder.

This overrides the requirement to save drafts automatically in the Outbox.

1 Press 'Menu>3.Messaging>2.Text/Multimedia>4.Drafts'
or '>2.Text/Multimedia>4.Drafts'.

2 To display the message, press  [MMS- EDIT, SMS-VIEW].

- By pressing [OPTIONS], the user can choose from the following options:

* Multimedia Message

1. Edit
2. Erase
3. Erase All

* Text Message

1. Edit
2. Erase
3. Erase All

Saved

Manages saved messages from the Inbox/Outbox.

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>5.Saved' or '>2.Text/Multimedia>5.Saved'.

Saved folder options:

- | | |
|----------------------|----------------|
| * Multimedia Message | * Text message |
| 1. Detail | 1. Edit |
| 2. Erase | 2. Erase |
| 3. Erase All | 3. Erase All |

- 2 Display the message, press  [VIEW].

* Multimedia Message

By pressing [VIEW] in the Saved folder or Inbox folder you can preview your message.

- 1) Reply: Reply to the sender
- 2) Reply All: Reply to the sender and all other parties.
- 3) Forward: Forward the message
- 4) Extract Item: Extract images or sound from multimedia message

*Text Message

By pressing [OPTIONS], the user can choose from the following options:

- 1) Edit: Edit the saved message
- 2) Erase: Erase the message
- 3) Erase All: Erase all messages

Templates

Templates folder contains some preloaded & user defined templates for user to make messages easily.

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia > 6.Templates' or '>2.Text/Multimedia>6.Templates.

- 2 Create New template or use saved templates.

Memory Status

Text Message Multimedia message Memory

1. Text: Show memory status used by Text Messages
2. MMS: Show memory status used by Multimedia Messages

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>7.Memory Status' or '>2.Text/Multimedia>7.Memory Status'.

- 2 To view memory status detail information press [] Soft key.

Inbox, Outbox, Saved, Draft, Template folder

Erase

1 Press 'Menu>3.Messaging>2.Text/Multimedia>8.Erase' or '>2.Text/Multimedia>8.Erase'.

2.1 To erase all inbox messages, press  .

2.2 To erase all outbox messages, press  .

2.3 To erase all draft messages, press  .

2.4 To erase all saved messages, press  .

2.5 To erase all templates messages, press  .

2.6 To erase all web alerts messages, press  .

2.7 To erase all messages, press  .

Settings

Callback Number

Edits a default callback number, so that the recipient can call back or reply.

1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>1.Callback Number' or '>2.Text/Multimedia>9.Settings>1.Callback Number'.

2 Enter a call back number then press  [OK].

Reminder

1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>2.Reminder' or '>2.Text/Multimedia>9.Settings>2.Reminder'.

2 Select "Off", "Once" or "Every 2min" then press  [OK] to save.

Auto Erase Inbox

When auto erase inbox has been set to 'on', the maximum quantity for message preservation is set to '50' for text messages. After the maximum being reached, the oldest one gets deleted in order to save a new one.

1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>3.Auto Erase Inbox' or '>2.Text/Multimedia>9.Settings>3.Auto Erase Inbox'.

2 Select "On" or "Off" then press  [OK] to save.

Entry Mode

To select the message compose edit mode:

1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>4.Entry Mode' or '>2.Text/Multimedia>9.Settings>4.Entry Mode'.

2 Select "Alpha" or "T9 Word" then press  [OK] to save.

Auto Scrolling

Page scroll every 5 seconds when the message is over 1 page.

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>5.Auto Scrolling' or '> 2.Text/Multimedia>9.Settings>5.Auto Scrolling'.
- 2 Select "3 seconds", "5 seconds", "10 seconds" or "Off" then press  [OK] to save.

Quick-text

User can make additionally another message and can call the message that is stored in Quick-test while making a message.

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>6.Save To Outbox' or '>2.Text/Multimedia>9.Settings>6.Quick-text'.

Save To Outbox

To automatically save the sent message to the Outbox folder:

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>7.Save To Outbox' or '>2.Text/Multimedia>9.Settings>7.Save To Outbox'.
- 2 Select "Auto Save" or "Do Not Save" then press  [OK] to save.

Auto Download

Automatically download contents when receiving a new multimedia message

- 1 Press 'Menu>3.Messaging>2.Text/Multimedia>9.Settings>8.Auto Download' or '>2.Text/Multimedia>9.Settings>8.Auto Download'.

Web Alerts

- 1 Press 'Menu>3.Messaging>3.Web Alerts' or '> 3.Web Alerts'.
- 2 To select GoTo, press  or press  .
To select Erase Message, press  .
- 3 The text message will be displayed.

- GoTo: Connecting to Selected Site.
- Erase: Erase Selected Message.

Email

- 1 Press 'Menu>3.Messaging>4.Email' or '>4.Email'.
- 2 Browser launches.

CHAT/IM

- 1 Press 'Menu>3.Messaging>5.IM' or '>5.Chat/IM'.
- 2 Browser launches.

With your 860, you have access to a wide variety of downloadable sounds, images, games and tools.

While each type of download involves a different file type, the basic method for accessing and downloading files is the same.

Wireless Web

Your 860 allows you to browse various Internet sites directly from your phone. This provides you with access to up-to-date information such as news, sports, weather, and stock quotes when you subscribe to Internet service with your service provider.

Please contact your service provider for a list of available websites and service details.

Launch Web

- 1 To start your Internet browser and access websites through your wireless phone press 'Menu>4.Do More>1.Wireless Web'.

Sound

Ringtones

- 1 Press 'Menu>4.Do More>2.Sound>1.Ringtones'.
- 2 Select "Get New" then press  [OK].
The browser will launch and take you to the "Ringtones" download menu.
- 3 Use the Navigation Key to select ringtones you want to download.
- 4 From the item information page, select "Buy".
- 5 A confirmation page will notify you that the ringtones have been purchased. Your new ringtones will be stored in your "Saved" folder .

Sound Clips

- 1 Press 'Menu>4.Do More>2.Sound>2.Sound Clips'.
- 2 Select "Get New" then press  .
The browser will launch and take you to the "Sound Clips" download menu.
- 3 Use the Navigation Key to select a sound you want to download.
- 4 From the item information page, select "Buy".
- 5 Your new sound clips will be stored in your "Saved" folder.

Images

Picture Album

In Review Mode, you can view all the pictures you have taken, send pictures to the Pictures Web site, erase images, and access additional picture options

1 Press 'Menu>4.Do More>3.Images>1.Picture Album'.

2 Press  [OK].

By pressing  [OPTIONS], the user can choose from the following options:

1. Take Picture
2. Edit Caption: Edit a title for the picture.
3. Send Message: Access the Messaging Compose screen to send a message.
4. Send Online: Upload a picture saved in your phone to the Picture Mail Website.
5. Set Wallpaper: Set the idle background wallpaper.
6. Set Contact: Set the picture as a contact picture ID.
7. View Online: View pictures saved in your phone to the Picture Mail Website.
8. Erase: Erase the selected picture from your phone.
9. Erase All: Erase all pictures from your phone.
0. Info.: Display information on the selected picture, such as Caption, Date & Time, Size, Resolution, etc

Online Album

To view pictures saved in your phone to the Picture Mail Website.

1 Press 'Menu>4.Do More>3.Images>2.Online Album'.

2 Press (ok) [].

3 Browser launches.

Image Clips

1 Press 'Menu>4.Do More>3.Images>3.Image Clips'.

2 Select "Get New" then press [].

The browser will launch and take you to the "Image Clips" download menu.

3 Use the Navigation Key to select an image you want to download.

4 From the item information page, select "Buy".

5 Your new image clips will be stored in your "Saved" folder.

Wallpaper

- 1** Press 'Menu>4.Do More>3.Images>4.Wallpaper'.
- 2** Select "Get New" then press [].
The browser will launch and take you to the "Images" download menu.
- 3** Use the Navigation Key to select an image you want to download.
- 4** From the item information page, select "Buy".
- 5** Your new wallpaper will be stored in your "Saved" folder.

GAMES

- 1** Press 'Menu>4.Do More>4.Games'.
- 2** Select "Get New" then press  [OK].
The browser will launch and take you to the "Games" download menu.
- 3** Use the Navigation Key to select a game you want to download.
- 4** From the item information page, select "Buy".
- 5** A confirmation page will notify you that the games have been purchased. Your new game will be stored in your "Games" folder.

Tools

1 Press 'Menu>4.Do More>5.Tools'.

1. Select "Get New" then press  [OK].
The browser will launch and take you to the "Tools" download menu.
2. Use the Navigation Key to select a tool you want to download.
3. From the item information page, select "Buy".
4. A confirmation page will notify you that the tools have been purchased. Your new tool will be stored in your "Tools" folder.

Calendar

1 Press 'Menu>4.Do More>5.Tools>2.Calendar'.

Add New Event

- 1** Move the Navigation Key left, right, up or down to choose a date in the calendar then press  [OK] or [VIEW].
If there is no event on selected date, you will see the "Event Empty" message and then the "Add New Event?" screen.

Title

Use the keypad to input a title then press  [SAVE].

Start

Use the Navigation Key to set a time for the event and press  [SAVE] or  [OK].

Duration

Select a duration option (None, 30 Minutes, 1 Hour, 2 Hours, 3 Hours, All Day, User Setting) using the Navigation Key. When the highlighted value is the "User Setting", press [EDIT] to edit the user value.

Date

Use the Navigation Key to set a date for the event and press  [SAVE].

Alarm

Select an alert time option (On Time, 5 Min Before, 10 Min Before, 30 Min Before, 1 Hour Before, User setting, Off) using the Navigation Key. When the highlighted value is the "User Setting", press [EDIT] to edit the user value.

NOTE:

In Duration and Alarm submenus, select User Setting to set time in xxMin/Hour/Day/Week unit.
You can enter a title of up to 64 characters.

3 Press  [DONE] to save it.

NOTE:

An event in the past cannot be entered; however, you can enter it if Alarm is Off.

4 The event will be marked on you calendar.

Calendar

- 1 Move the Navigation Key to choose an event and press  [VIEW].

- By pressing [OPTIONS], the user can choose from the following options:
1.Add New/2.Edit/3.Monthly View/4.Weekly View/
5.Day View/6.Go to Today/7.Search Date/8.Erase/
9.Erase All

NOTE:

You can store up to 20 events.

Alarm Clock

- 1 Press 'Menu>4.Do More>5.Tools>3. Alarm Clock'.
If there is no Alarm Clock, you will see the "Alarm Empty" message and then the "Add New Alarm?" screen.

Add New Alarm

- 1 Press  [OPTIONS], then select "Add New".

Name

Use the keypad to input a name then press  [SAVE].

Time

Use the Navigation Key to set a time for the alarm and press  [SAVE].

Repeat

Select an alert time repeat option (Once, Daily) using the Navigation Key.

Snooze

Use the Navigation Key to set an interval (Off/1~30Min) for the snooze option then press  [SAVE].

- By pressing [OPTIONS], the user can choose from the following options:
1.Add New/2.Edit/3.Disable or Enable/4.Erase/
5.Erase All

Voice Memo

- 1 Press 'Menu>4.Do More>5.Tools>4.Voice Memo'.

Record

- 1 To record a voice memo, press  .
Instructions will be displayed, and you will hear "Please record after the beep".
- 2 To stop the recording, press [] [FINISH] or [] key to save voice memo or  [PAUSE/RESUME].

Play

- 1 To play a voice memo, press  .
Select the voice memo you want to play then press [] [PLAY] or [] key.

- By pressing [OPTIONS], the user can choose from the following options:
1.Add new/2.Edit caption/3.Send Message /4.Erase/
5.Erase All/6.Info.

Erase All

- 1 To erase all voice memos, press .
"Erase all voice memos?" will be displayed.
Press [OK] to erase all voice memos.

Notepad

- 1 Press 'Menu>4.Do More>5.Tools>5. Notepad'.
If there is no Notepad, you will see the "Notepad Empty" message and then the "Add New Notepad?" screen.
 - By pressing [OPTIONS], the user can choose from the following options:
1.Add New/2.Edit/3.Erase/4.Erase All

Add New Notepad

- 1 Press [OPTIONS], then select "Add New".
- 2 Use the keypad to input a notepad then press [SAVE].

NOTE:

You can store up to 20 notepads.

Calculator

- 1 Press 'Menu>4.Do More>5.Tools>6.Calculator'.
- 2 Follow the instructions below to calculate $(8*6)/4-2.5$.

Input 8.
Move the Navigation Key to the left.
Input 6 then press the Navigation Key to the right.
Input 4 then press the Navigation Key down.
Input 2 then press to enter (.).
Press 5.

- 3 To reset, press [RESET].

NOTE:

: x, : /, : +, : -, : *, : ., : Reset, : =.
'M' icon: icon is displayed when there is saved value in memory. If the user turns the phone off/on, this icon will disappear.

- By pressing [OPTIONS], the user can choose from the following options:
1.+/-: toggling sign
2.M+: Save the value to Memory
3.MR: Retrieve the value in Memory
4.MC: Clear the value in Memory

Stopwatch

- 1 Press 'Menu>4.Do More>5.Tools>7.Stopwatch'.
- 2 To measure a time period.
 1. To start the stopwatch, press [START].
 2. To stop the stopwatch, press [STOP].
 3. To reset the stopwatch, press [RESET].
- 3 To time up to five events at once:
 1. To start, press [START].
 2. To stop a time period and continue measuring another one, press [CONTINUE].
 3. To stop the second and continue measuring the third one, press [CONTINUE].
 4. To measure up to five time periods, repeat the above steps.

5. To stop the stopwatch, press  [STOP].
6. To review the results, press  [VIEW].
7. To return to the stopwatch, press  [OK].
8. To reset the stopwatch, press  [RESET].

World Clock

- 1** Press 'Menu>4.Do More>5.Tools>8.World Clock'.
- 2** Use the Navigation left/right key to select another city.
(Samoa, Honolulu, Anchorage, Vancouver, Denver, Chicago, Toronto, Caracas/La Paz, Sao Paulo, London, Paris/Berlin, Athens, Moscow, Kabul, New Dehli, Bangkok, Hong Kong, Seoul/Tokyo, Sydney, Solomon, Wellington.)
- 3** The world map appears along with the city, current date, and time.

NOTE:

DST icon: DST (Daylight Saving Time) icon appears for a city where DST is currently in effect.

Favourites

- 1** Press 'Menu>4.Do More>6.Favourites'.

Shortcode List

- 1** Press 'Menu>4.Do More>6.Favorites>1.Shortcode List' or '  “+(hot key)”>6.Favorites>1.Shortcode List'.

- 2** Browser launches.

Msg Template

Msg Template folder contains some preloaded&user defined templates for user to make messages easily.

- 1** Press 'Menu>4.Do More>6.Favorites>2.Msg Template' or '  “+(hot key)”>6.Favorites>2.Msg Template'.

- 2** Create New template or use saved templates.

Web Links

- 1** Press 'Menu>4.Do More>6.Favorites>3.Web Links' or '  “+(hot key)”>6.Favorites>3.Web Links'.

- 2** Browser launches.

Memory Status

It shows the memory occupation of Ringtones, sound clips, image clips and wallpapers, which are saved in “Sounds” and “Images” folder.

- 1** Press 'Menu>4.Do More>7. Memory Status'.

Sounds

Sets Ringers, Tone Length, Volume, and Alerts.

Ringers

To select a ringer type for incoming calls or messages:

Voice Calls

- 1 Press 'Menu>5.Settings>1.Sounds>1.Ringers>1.Voice Calls'.
- 2 Select "Caller ID" or "No Caller ID" then press  [OK].
- 3 Select your desired ringer type then press  [SELECT] to save your selection.

Messages

- 1 Press 'Menu>5.Settings>1.Sounds>1.Ringers>2.Messages'.
- 2 Select "Voicemail", "Text/Multimedia" or "Web Alerts" and press  [OK].
- 3 Select your desired ringer type then press  [SELECT] to save your selection.

Alarm

- 1 Press 'Menu>5.Settings>1.Sounds>1.Ringers>3.Alarm'.
- 2 Select your desired ringer type then press  [SELECT] to save your selection.

Tone Length

To adjust key tone length:

- 1 Press 'Menu>5.Settings>1.Sounds>2.Tone Length'.
- 2 Select "Long" or "Short" then press  [OK] to save.

Volume

Controls the Ringer, Earpiece, Key Tones, Power On/Off, and alerts you to incoming calls in a variety of modes.

Ringer

Controls the Ringer volume and alerts you to incoming calls in the following modes:

- 1 Press 'Menu>5.Settings>1.Sounds>3.Volume>1.Ringer'.

Voice Calls

To move directly to voice call, press [] in idle mode. Select one of the following options:

- High&Vibrate/High/Medium/Low/Escalating/Vibrate/Ringer Off/Silence All

Message

Ringer Mode: Volume Off/Level 1 - 5.

Alarm

Ringer Mode: Volume Off/Level 1 - 5.

Earpiece

To adjust earpiece volume:

- 1** Press 'Menu>5.Settings>1.Sounds>3.Volume>2.Earpiece'.
- 2** Adjust the earpiece tone.

• Level1-5 (MIN-  , MAX- )

- 3** To save, press  [OK].

Key Tones

To adjust keypad tones:

- 1** Press 'Menu>5.Settings>1.Sounds>3.Volume>3.Key Tones'.
- 2** Adjust the keypad tone.

• Off/Level1-5 (MIN-  , MAX- )

- 3** To save, press  [OK].

Power On/Off

To adjust power on/off tones:

- 1** Press 'Menu>5.Settings>1.Sounds>3.Volume>4.Power On/Off'.
- 2** Select "On" or "Off" then press  [OK] to save.

Alerts

Allows you to set an alert sound for the following changes:

Service Change

Alerts the user when leaving a service area and entering a roaming service area.

- 1** Press 'Menu>5.Settings>1.Sounds>4.Alerts>1.Service Change'.
- 2** Select "On" or "Off" then press  [OK] to save.

Minute Beep

Makes a sound every minute of a phone call.

- 1** Press 'Menu>5.Settings>1.Sounds>4.Alerts>2.Minute Beep'.
- 2** Select "On" or "Off" then press  [OK] to save.

Call Connect

Notifies you that a call has been successfully placed.

- 1** Press 'Menu>5.Settings>1.Sounds>4.Alerts >3.Call Connect'.
- 2** Select "On" or "Off" then press  [OK] to save.

Lost Connection

Notifies you that a current call is dropped due to signal fade.

- 1** Press 'Menu>5.Settings>1.Sounds>4.Alerts>4.Lost Connection'.
- 2** Select "On" or "Off" then press  [OK] to save.

Display

This feature allows you to customize and personalize your phone display.

Banner

To input a personal greeting:

- 1** Press 'Menu>5.Settings>2.Display>1.Banner'.
- 2** Enter a greeting of your own then press  [OK] to save.

Backlight

Backlights the display and keypad for easy viewing in dark places.

- 1** Press 'Menu>5.Settings>2.Display>2.Backlight'.
- 2** Select "Display" or "Keypad" and choose one of the following options:

- Display: 10 Seconds/15 Seconds/30 Seconds/ Always On
- Keypad: 10 Seconds/15 Seconds/30 Seconds/ Always On/Always Off

Wallpaper

To change the display for the standby mode:

- 1** Press 'Menu>5.Settings>2.Display>3.Wallpaper'.
- 2** Select "Wallpaper" or "Picture Album" and choose one of the following options:

- Wallpaper: Preloaded wallpapers, image clips, downloaded wallpapers and the images from picture albums.
- Picture Album: Images that are saved in picture albums.

Contrast

To adjust the display contrast:

- 1 Press 'Menu>5.Settings>2.Display>4.Contrast'.
- 2 Use [] and [] to select a contrast level.
- 3 To save, press  [OK].

Menu Style

To select display menu style:

- 1 Press 'Menu>5.Settings>2.Display>5.Menu Style'.
- 2 Select "Icon" or "List" and press  [OK] to save.

Home Icons

To select display home icons:

- 1 Press 'Menu>5.Settings>2.Display>6.Home Icons'.
- 2 Select "On" or "Off" and press  [OK] to save.

Times

To select display time:

- 1 Press 'Menu>5.Settings>2.Display>7.Time'.
- 2 Select "24-hour" or "12-hour" and press  [OK] to save.

Airplane Mode

When your phone is in Airplane Mode, it cannot make or receive any calls or access online information. However, you may still use other features, such as Games, Voice Memos, etc.

- 1 Press 'Menu>5.Settings>3.Airplane Mode'.
- 2 Read the message then press  [OK].
- 3 Select "On" or "Off" then press  [OK] to save your Airplane Mode setting.

Phone Info

Enables you to view phone information.

My Phone Number

Enables you to view your phone number.

- 1 Press 'Menu>5.Settings>4.Phone Info>1.My Phone #'.
- 2 The "My phone #" screen will appear.
- 3 To return to the previous page, press  [OK].

NAM

- 1** Press 'Menu>5.Settings>4.Phone Info>2.NAM'.
- 2** The "NAM" will appear on the display.
- 3** To return to the previous page, press  [OK].

Software Version

- 1** Press 'Menu>5.Settings>4.Phone Info>3.S/W Version'.
- 2** The "Software Version" will appear on the display.
- 3** To return to the previous page, press  [OK].

Hardware Version

- 1** Press 'Menu>5.Settings>4.Phone Info>4.H/W Version'.
- 2** The "Hardware Version" will appear on the display.
- 3** To return to the previous page, press  [OK].

ESN

- 1** Press 'Menu>5.Settings>4.Phone Info>5.ESN'.
- 2** The "ESN" will appear on the display.
- 3** To return to the previous page, press  [OK].

PRL

- 1** Press 'Menu>5.Settings>4.Phone Info>6.PRL'.
- 2** The "PRL" will appear on the display.
- 3** To return to the previous page, press  [OK].

Browser Version

- 1** Press 'Menu>5.Settings>4.Phone Info>7.Browser Version'.
- 2** The "Browser Version" will appear on the display.
- 3** To return to the previous page, press  [OK].

Icons

- 1** Press 'Menu>5.Settings>4.Phone Info>8.Icons'.
- 2** The "Icons" will appear on the display.
- 3** To return to the previous page, press  [OK].

Initial Setup

Shortcut

Your phone offers you the option of assigning a shortcut key (Left / right Navigation Key) to a favourite or frequently used function. To assign a shortcut to the key:

- 1 Press 'Menu>5.Settings>5.Initial Setup>1.Shortcut'.
- 2 Select "Left Arrow Key" or "Right Arrow Key" and choose one of the following options:

- Left / Right Navigation Key: Not Defined/Wireless Web /Games/Calculator/Alarm Clock/Voice Memo/Calendar /Notepad/Stopwatch/World Clock

- 3 The Shortcut can now be accessed by pressing the left and right Navigation Key.

Call Answer

To select an answer mode:

- 1 Press 'Menu>5.Settings>5.Initial Setup>2.Call Answer'.
- 2 Select "Send Key" or "Any Key" with the Navigation Key.

- Send Key: Press only  to answer a call.
- Any Key: Press any key to answer an incoming call except , ,  and .

Auto Answer

Automatically answers a call after a preset number of seconds. An ideal setting for the hands-free car kit.

Auto Answer only works when the Headset Car kit is connected the phone.

- 1 Press 'Menu>5.Settings>5.Initial Setup>3.Auto Answer'.
- 2 Select "Off / 3 Seconds / 5 Seconds /10 Seconds / 15 Seconds" then press  to save your selection.

Language

Selects language for display.

- 1 Press 'Menu>5.Settings>5.Initial Setup>4.Language'.
- 2 Select either "English" or "Français" with the Navigation Key.
- 3 To save, press  [OK].

Auto Prepend

Auto Prepend On: automatic prepend of "1" for all outgoing phone calls should the number not start with a "1".

Automatic prefix of "1" for the number not starting with a '1' (international call).

- 1 Press 'Menu>5.Settings>5.Initial Setup>5.Auto Prepend'.
- 2 Select "On" or "Off" then press  [OK] to save.

TTY Mode Setting

- 1 Press 'Menu>5.Settings>5.Initial Setup>6.TTY Settings'.

2 Read the message then press  [OK].

3 Select one of the following options:

Full/Talk/Hear/Off

Voice Dial

Set Active

Allows the user to activate or deactivate voice dial service.

1 Press 'Menu>5.Settings>5.Initial Setup>7.Voice Dial>1.Set Active'.

2 Select "Send Key" or "Off" by pressing the Navigation Key up or down.

3 To save, press  [OK].

Voice Settings

1 Press 'Menu>5.Settings>5.Initial Setup>7.Voice Dial>2.Voice Settings'.

2 Select one of the following options:

1. Digit Dialing/2. Sensitivity/ 3. Choice Lists/4. Sound/
5. About.

3 To save, press  [OK].

Advanced

Set Mode

Selects the Preferred System.

1 Press 'Menu>5.Settings>6.Advanced>1.Set Mode'.

2 Select "Automatic", "Home Only" or "Roam Only" with the Navigation Key.

- Automatic: The phone will automatically acquire service according to the PRL.
- Home Only: The Home Only settings shall limit the phone to Home service.
- Roam Only: The Roam Only settings shall limit the phone to Roam service.

3 To save, press  [OK].

Set NAM

Manually selects a NAM.

Changes the NAM used by the phone when you have multiple registrations.

1 Press 'Menu>5.Settings>6.Advanced>2.Set NAM'.

2 Select "NAM1" or "NAM2" with the Navigation Key.

3 To save, press  [OK].

Call Guard

In addition to the roaming icon, Call Guard alerts you when roaming charges apply. This feature helps to manage your roaming charges by reminding you when you make or receive roaming calls. It also requires you to take an additional step before placing or answering a roaming call.

- 1** Press 'Menu>5.Settings>6.Advanced>3.Call Guard'.
- 2** Select "On" or "Off" with the Navigation Key.
- 3** To save, press  [OK].

Security

Prevents others from using the phone without permission and allows access to security features only after entering a password.

Lock Phone

- 1** Press 'Menu>5.Settings>6.Advanced>4.Security>Password>1.Lock Phone'.
- 2** Select "Unlock", "Lock Now" or "Lock On Power Up".

- Unlock: Lock On Power Up.
- Lock Now: Lock the phone now.
- Lock On Power Up: Do not lock the phone now, but it is automatically locked when power is recycled.

- 3** To save, press  [OK].

Change Lock

To change your 4 digit password:

- 1** Press 'Menu>5.Settings>6.Advanced>4.Security>Password>2.Change Lock'.

NOTE:

The default password is the last 4 digit of your phone number.

- 2** Enter new password then press  [OK].
- 3** Enter the new password again then press  [OK].

Erase Contacts

To erase the entire contact list:

- 1** Press 'Menu>5.Settings>6.Advanced>4.Security>Password>3.Erase Contacts'.

Reset Defaults

To reset phone to default settings:

- 1 Press 'Menu>5.Settings>6.Advanced>4.Security>Password>4.Reset Defaults'.

NOTE:

The default password is the last 4 digits of your phone number.

- 2 Read the message then press  [OK].
- 3 Select "Yes" or "No" then press  [OK].

Games/Tools

Volume

Controls the volume during a game.

- 1 Press 'Menu>5.Settings>6.Advanced>5.Games/Tools>1.Volume'.

- 2 Select one of the following options.

- Off/Level 1 - 5 (Min-  , Max- )

- 3 To save, press  [OK].

Notification

Alerts you to an incoming message while you are playing a game.

- 1 Press 'Menu>5.Settings>6.Advanced>5.Games/Tools>2.Notification'.

- 2 Select "Voice Mail" or "Text Message" with the  [SELECT] then press  [OK] to select the items in those categories.

Backlight

You can select how long the display screen remains backlit after any key is pressed while playing a game.

- 1 Press 'Menu>5.Settings>6.Advanced>5.Games/Tools>3.Backlight'.

- 2 Select one of the following options:

- 10 Secs/25 Secs/1 Minute/Always On.

- 3 To save, press  [OK].

Keyguard

Lock the keypad

- 1 Press 'Menu>5.Settings>7.Keyguard'.

- 2 Select "Yes" to lock the keypad and press  [OK].

NOTE:

Keypad is locked by pressing and holding [#] key in the idle. To unlock the keypad, type [1][2][3] in the idle mode

Data-In

Connection

Selects a connection mode based on the phone usage.

1 Press 'Menu>5.Settings>8.Data-In>1.Connection'.

2 Select one of the following connection modes:

- Voice Call: To receive a voice call.
- Data Only: To receive data when connected to PC.
- Fax Only: To function as a fax when connected to PC.

NOTE:

If you want to use the fax feature, you should set Data Speed to 19200 bps.

3 To save, press  [OK].

Data Speed

To select a connection speed based on phone usage.

1 Press 'Menu>5.Settings>8.Data-In>2.Data Speed'.

2 Select one of the following connection speeds with the Navigation Key:

- 19200 bps
- 115200 bps
- 230400 bps

3 To save, press  [OK].

NOTE:

This function is available only when the phone is connected to the data cable.

Taking pictures with your phone's built-in camera is as simple as choosing a subject, pointing the lens, and pressing the button.

Take Picture

To get to the camera menu, press [] in idle mode.

1 Press 'Menu>6.Camera>1.Take picture'.

2 Point the camera lens at your subject. You can verify the picture framing through the main display screen.

3 To take the picture, press  [OK] or the Side Camera button.

- By pressing [MENU], the user can choose from the following options:
 - 1.Quality: Fine/Normal/Economy
 - 2.Multi-Shots: Off/2/3/5
 - 3.Resolution: 160X120/320X240/640X480
 - 4.Self-Timer: Off/5 Secs/10 Secs
 - 5.Contrast: 5 Levels
 - 6.Color Tone: None/Warm/Antique/Cool/Moonlight/Fog/Negative/Black & White
 - 7.Fun Frame: 5 Fun Frames

4 Press  [Save] to save your picture.

- By pressing  [OPTIONS], the user can choose from the following options:
 - 1.Send Message: Go to the Messaging compose screen.
 - 2.Send Online: Upload pictures saved in your phone to the Picture Mail Website.

3. Set Wallpaper: Set the idle background wallpaper.
4. Set Contact: Set a picture as contact picture ID.

5 Pressing [ALBUM], the item list of Picture Album is shown.

Picture Album

In Review Mode, you can view all the pictures you have taken, send pictures to the Picture Website, erase images, and access additional picture options.

1 Press 'Menu>6.Camera>2.Picture Album'.

2 Press  [OK].

By pressing  [OPTIONS], the user can choose from the following options:

1. Take Picture
2. Edit Caption: Edit a title for the picture.
3. Send Message: Access the Messaging Compose screen to send a message.
4. Send Online: Upload a picture saved in your phone to the Picture Mail Website.
5. Set Wallpaper: Set the idle background wallpaper.
6. Set Contact: Set the picture as a contact picture ID.
7. View Online: View pictures saved in your phone to the Picture Mail Website.
8. Erase: Erase the selected picture from your phone.
9. Erase All: Erase all pictures from your phone.
0. Info.: Display information on the selected picture, such as Caption, Date & Time, Size, Resolution, etc.

Online Album

To view pictures saved to the Picture Mail Website.

1 Press 'Menu>6.Camera>3.Online Album'.

2 Press  [OK].

3 Browser launches.

Settings

Auto Save

If Auto Save is On, any taken picture will be saved automatically.

1 Press 'Menu>6.Camera>4.Settings>1.Auto Save'.

2 Select "Off" or "On" then press  [OK] to save.

Album Sort

In Picture Album, choose how to line up pictures.

1 Press 'Menu>6.Camera>4.Settings>2.Album Sort'.

2 Select "Date", "Name" or "Size" then press  [OK] to save.

Date & Time

To view Date & Time:

1 Press 'Menu>6.Camera>4.Settings>3.Date&Time'.

2 Select "Show" or "Hide" then press  [OK] to save.

Shutter Sound

List of Camera Shutter Sound – One of five preloaded sounds is set as default sound, with the remaining four being listed together with the default one as shutter sound.

1 Press 'Menu>6.Camera>4.Settings>4.Shutter Sound'.

2 Select "Default" then press  [OK] to save.

Memory status

It shows the memory capacity occupied by the pictures presently stored in Picture Album.

1 Press 'Menu>6.Camera>5.Memory Status'.

DOS

- Only use the battery and charger approved by the manufacturer.
- Only use the battery for its original purpose.
- Try to keep batteries in a temperature between 41°F (5°C) and 95°F (35°C).
- If the battery is stored in temperatures above or below the recommended range, give it time to warm up or cool down before using.
- Completely drain the battery before recharging. It may take one to four days to completely drain.
- Store the discharged battery in a cool, dark, and dry place.
- Purchase a new battery when its operating time gradually decreases after fully charging.
- Properly dispose of the battery according to local laws.

DON'TS

- Don't attempt to disassemble the battery – it is a sealed unit with no serviceable parts.
- Don't accidentally short circuit the battery by carrying it in your pocket or purse with other metallic objects such as coins, clips and pens. This may critically damage the battery.
- Don't leave the battery in hot or cold temps. Otherwise, it could significantly reduce the capacity and lifetime of the battery.
- Don't dispose of the battery into a fire.

This chapter addresses the safety guidelines and precautions to follow when operating your phone.

Before operating your phone, please be aware of all the safety details.

This chapter contains the terms and conditions of services and the warranty for your phone. Please review them thoroughly.

- SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES
- SAFETY INFORMATION FOR FCC RF EXPOSURE
- SAR INFORMATION
- FDA CONSUMER UPDATE
- PROTECT YOUR WARRANTY
- 12 MONTH LIMITED WARRANTY

SAFETY INFORMATION FOR WIRELESS HANDHELD PHONES

Read This Information Before Using Your Handheld Portable Cellular Telephone.

EXPOSURE TO RADIO FREQUENCY SIGNALS

Your wireless handheld portable telephone is a low power radio transmitter and receiver. When it is ON, it receives and also sends out radio frequency (RF) signals.

In August 1996, the Federal Communications Commissions (FCC) adopted RF exposure guidelines with safety levels for handheld wireless phones. Those guidelines are consistent with the safety standards previously set by both U.S. and international standards bodies:

- ANSI C95.1 (1992) *
- NCRP Report 86 (1986) *
- ICNIRP (1996) *
- Health Canada, Safety Code 6. 1999

Those standards were based on comprehensive and periodic evaluations of the relevant scientific literature. For example, over 120 scientists, engineers, and physicians from universities, government health agencies, and industry reviewed the available body of research to develop the ANSI Standard (C951).

The design of your phone complies with the FCC guidelines (and those standards).

ANTENNA CARE

Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications, or attachments could damage the phone and may violate FCC regulations.

DRIVING SAFETY

Talking on the phone while driving is extremely dangerous and is illegal in some states. Remember, safety comes first. Check the laws and regulations on the use of phones in the areas where you drive. Always obey them. Also, if using your phone while driving, please:

- Give full attention to driving. Driving safely is your first responsibility.
- Use hands-free operation, if available.
- Pull off the road and park before making or answering a call, if driving conditions so require.

If you must use the phone while driving, please use one-touch, speed dialing, and auto answer modes.

An airbag inflates with great force. DO NOT place objects, including both installed or portable wireless equipment, in the area over the airbag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.



Warning: Failure to follow these instructions may lead to serious personal injury and possible property damage.

ELECTRONIC DEVICES

Most modern electronic equipment is shielded from RF energy. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

The Health Industry Manufacturers Association recommends that a minimum separation of six (6") inches be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research.

Persons with pacemakers:

- ALWAYS keep the phone more than six inches from your pacemaker when the phone is turned on.
- Do not carry the phone in a breast pocket.
- Use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, turn your phone OFF immediately.

Other Medical Devices

If you use any other personal medical device, consult the manufacturer of your device to determine if they are adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Turn your phone OFF in healthcare facilities when any regulations posted in these areas instruct you to do so. Hospitals or healthcare facilities may be using equipment that could be sensitive to external RF energy.

Posted Facilities

Turn your phone OFF where posted notices so require.

OTHER SAFETY GUIDELINES

Aircraft

FCC and Transport Canada Regulations prohibit using your phone while in the air. Turn your phone OFF before boarding an aircraft.

Blasting Areas

To avoid interfering with blasting operations, turn your phone OFF when in a “blasting area” or in areas posted: “Turn off two-way radio.” Obey all signs and instructions.

Potentially Explosive Atmospheres

Turn your phone OFF when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include fueling areas such as gas stations; below deck on boats; fuel or chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle's engine.

PRECAUTIONS

Your Handheld Portable Telephone is a high quality piece of equipment. Before operating, read all instructions and cautionary markings on (1) AC Adaptor (2) Battery and (3) Product Using Battery.



Warning:

DO NOT use this equipment in an extreme environment where high temperature or high humidity exists
DO NOT abuse the equipment. Avoid striking, shaking or shocking. When not using, lay down the unit to avoid possible damage due to instability
DO NOT expose this equipment to rain or spilled beverages
DO NOT use unauthorized accessories
DO NOT disassemble the phone or its accessories. If service or repair is required, return unit to an authorized UTStarcom\ cellular service center. If unit is disassembled, the risk of electric shock or fire may result.
DO NOT short-circuit the battery terminals with metal items etc.

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg. * Tests for SAR are conducted with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear and worn on the body) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.35 W/Kg and when worn on the body, as described in this user guide, is 1.29 W/Kg.

(Body-worn measurements differ among phone models, depending upon available accessories and FCC requirements). While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement for safe exposure.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of <http://www.fcc.gov/oet/fccid> after searching on JYCPC-1000N.

Additional information on Specific Absorption Rates (SAR) can be found on the Cellular Telecommunications Industry Association (CTIA) website at <http://www.wow-com.com>

* In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

FDA: U.S. Food and Drug Administration -Center for Devices and Radiological Health Consumer Update on Wireless Phones

1. Do wireless phones pose a health hazard?

The available scientific evidence does not show that any health problems are associated with using wireless phones. There is no proof, however, that wireless phones are absolutely safe. Wireless phones emit low levels of radiofrequency energy (RF) in the microwave range while being used. They also emit very low levels of RF when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects. Many studies of low level RF exposures have not found any biological effects. Some studies have suggested that some biological effects may occur, but such findings have not been confirmed by additional research. In some cases, other researchers have had difficulty in reproducing those studies, or in determining the reasons for inconsistent results.

2. What is FDA's role concerning the safety of wireless phones?

Under the law, FDA does not review the safety of radiation-emitting consumer products such as wireless phones before they can be sold, as it does with new drugs or medical devices. However, the agency has authority to take action if wire-less phones are shown to emit radiofrequency energy (RF) at a level that is hazardous to the user. In such a case, FDA could require the manufacturers of wireless phones to notify users of the health hazard and to repair, replace or recall the phones so that the hazard no longer exists.

Although the existing scientific data do not justify FDA regulatory actions, FDA has urged the wireless phone industry to take a number of steps, including the following:

- Support needed research into possible biological effects of RF of the type emitted by wireless phones
- Design wireless phones in a way that minimizes any RF exposure to the user that is not necessary for device function
- Cooperate in providing users of wireless phones with the best possible information on possible effects of wireless phone use on human health.

FDA belongs to an interagency working group of the federal agencies that have responsibility for different aspects of RF safety to ensure coordinated efforts at the federal level. The following agencies belong to this working group:

- National Institute for Occupational Safety and Health
- Environmental Protection Agency
- Federal Communications Commission
- Occupational Safety and Health Administration
- National Telecommunications and Information Administration

The National Institutes of Health participates in some inter-agency working group activities, as well. FDA shares regulatory responsibilities for wireless phones with the Federal Communications Commission (FCC). All phones that are sold in the United States must comply with FCC safety guidelines that limit RF exposure. FCC relies on FDA and other health agencies for safety questions about wireless phones. FCC also regulates the base stations that the wireless phone networks rely upon. While these base stations operate at higher power than do the wireless phones themselves, the RF exposures that people get from these base stations are typically thousands of times lower than those they can get from wire-less phones. Base stations are thus not the subject of the safety questions discussed in this document.

3. What kinds of phones are the subject of this update?

The term “wireless phone” refers here to hand-held wireless phones with built-in Antennas, often called “cell,” “mobile” or “PCS” phones

These types of wireless phones can expose the user to measurable radiofrequency energy (RF) because of the short distance between the phone and the user’s head. These RF exposures are limited by Federal Communications Commission safety guidelines that were developed with the advice of FDA and other federal health and safety agencies.

When the phone is located at greater distances from the user, the exposure to RF is drastically lower because a person’s RF exposure decreases rapidly with increasing distance from the source. The so-called “cordless phones,” which have a base unit connected to the telephone wiring in a house, typically operate at far lower power levels, and thus produce RF exposures far below the FCC safety limits

4. What are the results of the research done already?

The research done thus far has produced conflicting results, and many studies have suffered from flaws in their research methods. Animal experiments investigating the effects of radiofrequency energy (RF) exposures characteristic of wireless phones have yielded conflicting results that often cannot be repeated in other laboratories. A few animal studies, however, have suggested that low levels of RF could accelerate the development of cancer in laboratory animals. However, many of the studies that showed increased tumor development used animals that had been genetically engineered or treated with cancer-causing chemicals so as to be pre-disposed to develop cancer in the absence of RF exposure. Other studies exposed the animals to RF for up to 22 hours per day.

These conditions are not similar to the conditions under which people use wireless phones, so we don’t know with certainty what the results of such studies mean for human health.

Three large epidemiology studies have been published since December 2000. Between them, the studies investigated any possible association between the use of wireless phones and primary brain cancer, glioma, meningioma, or acoustic neuroma, tumors of the brain or salivary gland, leukemia, or other cancers. None of the studies demonstrated the existence of any harmful health effects from wireless phone RF exposures. However, none of the studies can answer questions about long-term exposures, since the average period of phone use in these studies was around three years.

5. What research is needed to decide whether RF exposure from wireless phones poses a health risk?

A combination of laboratory studies and epidemiological studies of people actually using wireless phones would provide some of the data that are needed. Lifetime animal exposure studies could be completed in a few years. However, very large numbers of animals would be needed to provide reliable proof of a cancer promoting effect if one exists. Epidemiological studies can provide data that is directly applicable to human populations, but 10 or more years’ follow-up may be needed to provide answers about some health effects, such as cancer. This is because the interval between the time of exposure to a cancer-causing agent and the time tumors develop - if they do - may be many, many years. The interpretation of epidemiological studies is hampered by difficulties in measuring actual RF exposure during day-to-day use of wireless phones. Many factors affect this measurement, such as the angle at which the phone is held, or which model of phone is used.

6. What is FDA doing to find out more about the possible health effects of wireless phone RF?

FDA is working with the U.S. National Toxicology Program and with groups of investigators around the world to ensure that high priority animal studies are conducted to address important questions about the effects of exposure to radiofrequency energy (RF). FDA has been a leading participant in the World Health Organization International Electromagnetic Fields (EMF) Project since its inception in 1996. An influential result of this work has been the development of a detailed agenda of research needs that has driven the establishment of new research programs around the world.

The Project has also helped develop a series of public information documents on EMF issues. FDA and the Cellular Telecommunications & Internet Association (CTIA) have a formal Cooperative Research and Development Agreement (CRADA) to do research on wireless phone safety. FDA provides the scientific oversight, obtaining input from experts in government, industry, and academic organizations. CTIA-funded research is conducted through contracts to independent investigators. The initial research will include both laboratory studies and studies of wireless phone users. The CRADA will also include a broad assessment of additional research needs in the context of the latest research developments around the world.

7. How can I find out how much radiofrequency energy exposure I can get by using my wireless phone?

All phones sold in the United States must comply with Federal Communications Commission (FCC) guidelines that limit radiofrequency energy (RF) exposures. FCC established these guidelines in consultation with FDA and the other federal health and safety agencies. The FCC limit for RF exposure from wire-less telephones is set at a Specific Absorption Rate (SAR) of 1.6 watts per kilogram (1.6 W/kg). The FCC limit is consistent with the safety standards developed by the Institute of Electrical and Electronic Engineering (IEEE) and the National Council on Radiation Protection and Measurement. The exposure limit takes into consideration the body's ability to remove heat from the tissues that absorb energy from the wireless phone and is set well below levels known to have effects. Manufacturers of wireless phones must report the RF exposure level for each model of phone to the FCC. The FCC website (<http://www.fcc.gov/oet/rfsafety>) gives directions for locating the FCC identification number on your phone so you can find your phone's RF exposure level in the online listing.

8. What has FDA done to measure the radiofrequency energy coming from wireless phones?

The Institute of Electrical and Electronic Engineers (IEEE) is developing a technical standard for measuring the radiofrequency energy (RF) exposure from wireless phones and other wireless handsets with the participation and leadership of FDA scientists and engineers. The standard, "Recommended Practice for Determining the Spatial-Peak Specific Absorption Rate (SAR) in the Human Body Due to Wireless Communications Devices: Experimental Techniques," sets forth the first consistent test methodology for measuring the rate at which RF is deposited in the heads of wireless phone users.

The test method uses a tissue-simulating model of the human head. Standardized SAR test methodology is expected to greatly improve the consistency of measurements made at different laboratories on the same phone. SAR is the measurement of the amount of energy absorbed in tissue, either by the whole body or a small part of the body. It is measured in watts/kg (or milliwatts/g) of matter. This measurement is used to determine whether a wireless phone complies with safety guidelines.

9. What steps can I take to reduce my exposure to radiofrequency energy from my wireless phone?

If there is a risk from these products—and at this point we do not know that there is—it is probably very small. But if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your exposure to radiofrequency energy (RF). Since time is a key factor in how much exposure a person receives, reducing the amount of time spent using a wireless phone will reduce RF exposure.

If you must conduct extended conversations by wireless phone every day, you could place more distance between your body and the source of the RF, since the exposure level drops off dramatically with distance. For example, you could use a headset and carry the wireless phone away from your body or use a wireless phone connected to a remote antenna. Again, the scientific data do not demonstrate that wireless phones are harmful. But if you are concerned about the RF exposure from these products, you can use measures like those described above to reduce your RF exposure from wire-less phone use.

10. What about children using wireless phones?

The scientific evidence does not show a danger to users of wireless phones, including children and teenagers. If you want to take steps to lower exposure to radiofrequency energy (RF), the measures described above would apply to children and teenagers using wireless phones. Reducing the time of wire-less phone use and increasing the distance between the user and the RF source will reduce RF exposure. Some groups sponsored by other national governments have advised that children be discouraged from using wireless phones at all. For example, the government in the United Kingdom distributed leaflets containing such a recommendation in December 2000. They noted that no evidence exists that using a wireless phone causes brain tumors or other ill effects. Their recommendation to limit wireless phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

11. What about wireless phone interference with medical equipment?

Radiofrequency energy (RF) from wireless phones can interact with some electronic devices. For this reason, FDA helped develop a detailed test method to measure electromagnetic interference (EMI) of implanted cardiac pacemakers and defibrillators from wireless telephones. This test method is now part of a standard sponsored by the Association for the Advancement of Medical Instrumentation (AAMI). The final draft, a joint effort by FDA, medical device manufacturers, and many other groups, was completed in late 2000. This standard will allow manufacturers to ensure that cardiac pacemakers and defibrillators are safe from wireless phone EMI.

FDA has tested hearing aids for interference from handheld wireless phones and helped develop a voluntary standard sponsored by the Institute of Electrical and Electronic Engineers (IEEE). This standard specifies test methods and performance requirements for hearing aids and wireless phones so that that no interference occurs when a person uses a “compatible” phone and a “compatible” hearing aid at the same time. This standard was approved by the IEEE in 2000. FDA continues to monitor the use of wireless phones for possible interactions with other medical devices. Should harmful interference be found to occur, FDA will conduct testing to assess the interference and work to resolve the problem.

12. Where can I find additional information?

For additional information, please refer to the following resources:

- FDA web page on wireless phones (<http://www.fda.gov/cdrh/phones/index.html>)
- Federal Communications Commission (FCC) RF Safety Pro-gram (<http://www.fcc.gov/oet/rfsafety>)
- International Commission on Non-Ionizing Radiation Protection (<http://www.icnirp.de>)
- World Health Organization (WHO) International EMF Project (<http://www.who.int/emf>)
- National Radiological Protection Board (UK) (<http://www.nrpb.org.uk/>)

Utstarcom Communications (the Company) warrants to the original retail purchaser of this Audiovox handheld portable cellular telephone, that should this product or any part thereof during normal consumer usage and conditions, be proven defective in material or workmanship that results in product failure within the first twelve (12) month period from the date of purchase, such defect(s) will be repaired or replaced (with new or rebuilt parts) at the Company’s option, without charge for parts or labor directly related to the defect(s).

The antenna, keypad, display, rechargeable battery and battery charger, if included, are similarly warranted for twelve (12) months from date of purchase.

This Warranty extends only to consumers who purchase the product in the United States or Canada and it is not transferable or assignable.

This Warranty does not apply to:

- (a) Product subjected to abnormal use or conditions, accident, mishandling, neglect, unauthorized alteration, misuse, improper installation or repair or improper storage;
- (b) Product whose mechanical serial number or electronic serial number has been removed, altered or defaced.
- (c) Damage from exposure to moisture, humidity, excessive temperatures or extreme environmental conditions;
- (d) Damage resulting from connection to, or use of any accessory or other product not approved or authorized by the Company;
- (e) Defects in appearance, cosmetic, decorative or structural items such as framing and non-operative parts;

12 MONTH LIMITED WARRANTY

- (f) Product damaged from external causes such as fire, flooding, dirt, sand, weather conditions, battery leakage, blown fuse, theft or improper usage of any electrical source.

The Company disclaims liability for removal or reinstallation of the product, for geographic coverage, for inadequate signal reception by the antenna or for communications range or operation of the cellular system as a whole.

To obtain repairs or replacement within the terms of this Warranty, the product should be delivered with proof of Warranty coverage (e.g. dated bill of sale), the consumer's return address, daytime phone number and/or fax number and complete description of the problem, transportation prepaid, to the Company at the address shown below or to the place of purchase for repair or replacement processing. In addition, for reference to an authorized Warranty station in your area, you may telephone in the United States (800) 229-1235, and in Canada (800) 465-9672 (in Ontario call 905-712-9299).

THE EXTENT OF THE COMPANY'S LIABILITY UNDER THIS WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT PROVIDED ABOVE AND, IN NO EVENT, SHALL THE COMPANY'S LIABILITY EXCEED THE PURCHASE PRICE PAID BY PURCHASER FOR THE PRODUCT.

ANY IMPLIED WARRANTIES, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL BE LIMITED TO THE DURATION OF THIS WRITTEN WARRANTY. ANY

12 MONTH LIMITED WARRANTY

ACTION FOR BREACH OF ANY WARRANTY MUST BE BROUGHT WITHIN A PERIOD OF 12 MONTHS FROM DATE OF ORIGINAL PURCHASE. IN NO CASE SHALL THE COMPANY BE LIABLE FOR AN SPECIAL CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, WHATSOEVER. THE COMPANY SHALL NOT BE LIABLE FOR THE DELAY IN RENDERING SERVICE UNDER THIS WARRANTY OR LOSS OF USE DURING THE TIME THE PRODUCT IS BEING REPAIRED OR REPLACED.

No person or representative is authorized to assume for the Company any liability other than expressed herein in connection with the sale of this product.

Some states or provinces do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damage so the above limitation or exclusions may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state or province to province.

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